Under the Paperwork Reduction Action of 1995, no persons are required to response to a collection of information unless it contains a valid OMB number.

COMPLETE IF KNOWN				
Application Mumber	Not Yet Assigned Not Yet Assigned			
Filing Data				
First Harned Inventor	Freizg			
Group Art Unit	Not Yet Assigned			
Graminer Mamo	Not Yet Assigned			
Clocket Number	HSJ9-2003-0070US1			
	Fixed Manual Inventor Group Art Unit Examiner Name			

					U.S. PATENT DOCUMEN	18	DAY OF BARNET	/)	Pages, Columns, Lines, W.	hera
	Cite No.1	U.S. Patent Document		Name of Patentiae or Applicant			Date of Publication of Clad Document		Daloused Passanes or Reta	mant
niids"		Number (II know		of Cited Document		MAH-DD-YYYY 12-(0-1996		webs	Figures Appear	<u> </u>
AC		5,583,725		Coffe	de	1		_		
-		6,191,926	81	Evert	वर	02-20				
-11		US 2002/0135952	Af	G			-2002			
		6,356,419	81	Ga			-2002			
+		US 2001/0040780	AI	Pinari	28			_		
+		6,219,208	81	Gi			-2001		·	
╂╌┨		6.208,492	B1	Pinari	250		-2001			
+		8,040,961	+	GB		1 **-	-2000			
╂╼╼┪		5,920,446	+	GE		07-0	1999			
┨╌┨		5,768,069	+	Manuf			1998	1		
+ +		6,219,208	81	GE		04-1	-2001	_		
╂╌╢		US 2002/018116	AI	Piner	best	12-0	5-2002			
+		6.396,734	B2	157.5	क्था हो हो.	05-2	3-2002	_		
		US 2002/002477	AI	Xue	14	05-5	3-2002			
		5,796,561	+	Maur		08-1	8-1998	-		
AC	L			<u> </u>	OREIGN PATENT DOCU	ENTS				
1	Foreign Paters Document				Name of Potentee or Applicar		Date of Publication		Pages, Columns, Lines, Where Relevant Passages	١,
Examiner Initials*	No.1		, Kin	Codes known)	of Ched Document		of Cited Document MM-DD-YYYY		or Relevant Figures Appear	Ľ

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the best (book, magazine, journal, serial, symposium, catalog etc.), date, page(s), volume-issue number(s), publisher, city end/or country where published	770
		T. DIMOPOULOS et al., Enhanced subustness and tunnel magnetoresistance in artificial learningnet based tunnel junctions, Journal of Applied	
Ac		Observe 4 May 2000 ASSS ASS7, 87-8	
K		M. Helm, Properties of transport of magnetic junctions turned containing artiferromagnetic artificial structures - Effect of the structure in teats on the form and the armiting of the magnetic resistance, wave formulations of the magnetic resistance.	
K		M. SAITO et al., Philospin valve with synthetic ferrimagnet tree and pinned layers, Journal of Applied Physics, 1 May 2000, 6974-6976, 67-9	_

				$\overline{}$
Examiner Signature	Monlus	Date Considered	4/12/05	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two letter-code (WIPO Standard ST.3). ⁵For Ispanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.